
Subject: Re: How do I use WIndows Message pump timer?

Posted by [mirek](#) on Thu, 18 May 2006 03:20:39 GMT

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jeff1101 wrote on Wed, 17 May 2006 22:01 Sorry if this topic should not be here.

I have reused CounterCtrl. How do I write the code to set a timer that will trigger a callback function at the appropriate time ?

I dont want to start a new thread just to do this. I do want the message pump of windows to call the callback function when the timer is set.

Thanks.

```
void *SetTimeCallback(int delay_ms, Callback cb, void *id = NULL); // delay_ms < 0 -> periodic
void KillTimeCallback(void *id);
bool ExistsTimeCallback(void *id);
DWORD GetTimeClick();
```

```
inline
void PostCallback(Callback cb, void *id = NULL)          { SetTimeCallback(1, cb, NULL); }
```

```
class TimeCallback
```

```
{
public:
    ~TimeCallback()          { Kill(); }
```

```
void Set(int delay, Callback cb)  { ::SetTimeCallback(delay, cb, this); }
void Kill()                      { ::KillTimeCallback(this); }
void KillSet(int delay, Callback cb) { Kill(); Set(delay, cb); }
};
```

```
.....
```

```
class Ctrl {
```

```
....
void SetTimeCallback(int delay_ms, Callback cb, int id = 0);
void KillTimeCallback(int id = 0);
void KillSetTimeCallback(int delay_ms, Callback cb, int id);
bool ExistsTimeCallback(int id = 0) const;
void PostCallback(Callback cb, int id = 0);
void KillPostCallback(Callback cb, int id);
....
};
```

